

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P957277

Luminaire Tested: **GALN-SB9C-935-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957277  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9C-935-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

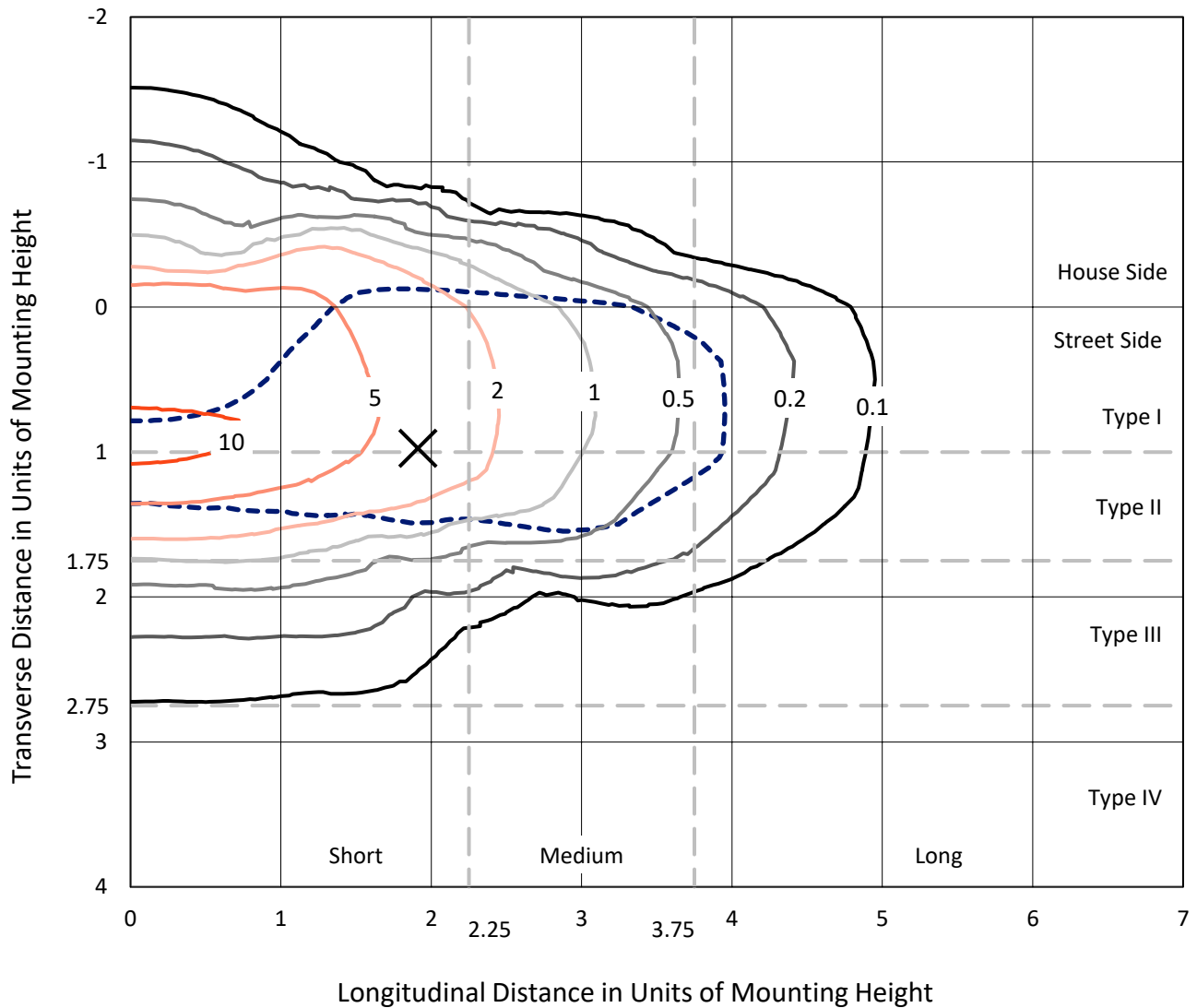
Lumens per Lamp: N/A  
Luminaire Lumens: 36266 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

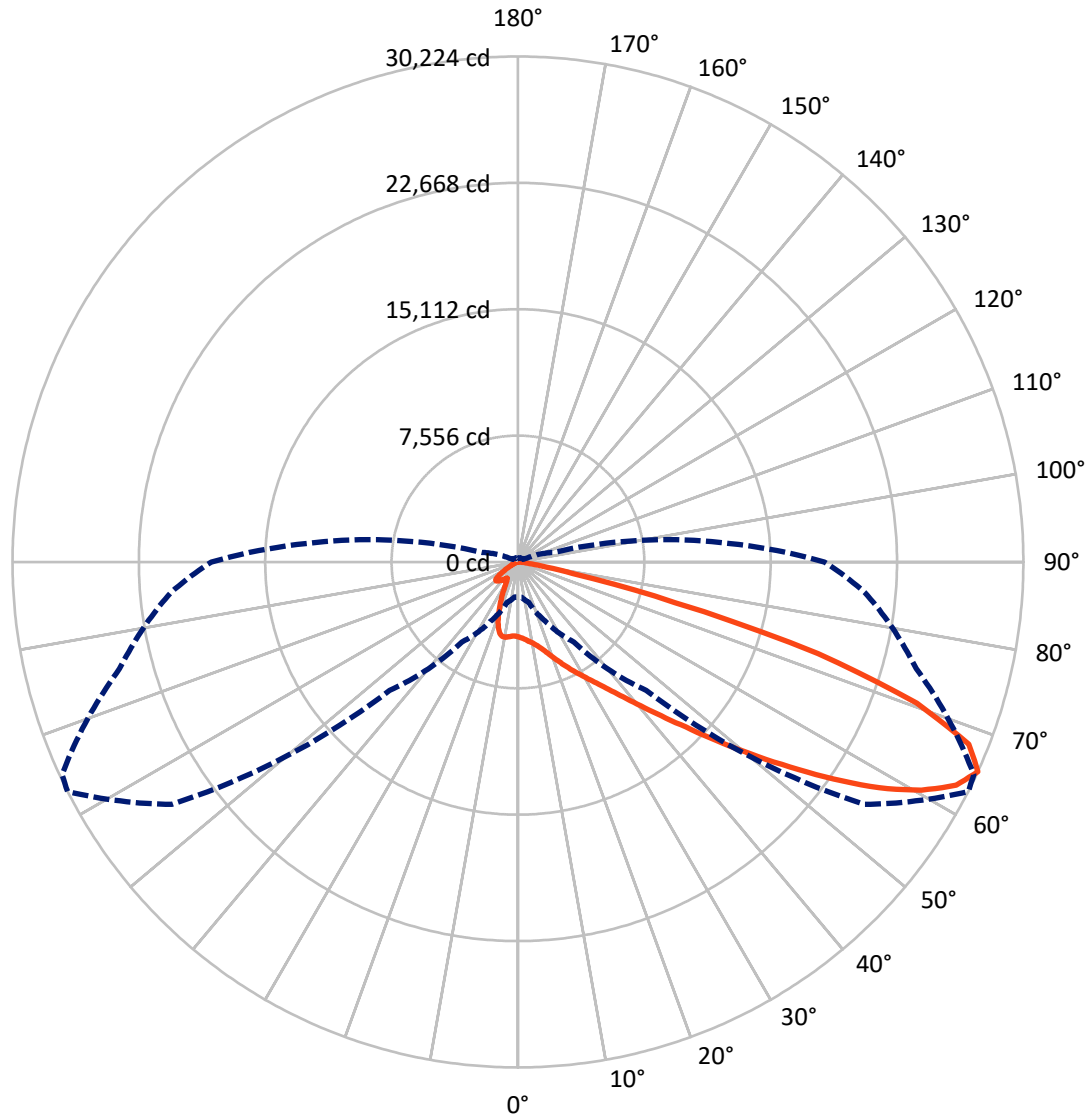
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5330.8	0.0	5330.8
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	30935.2	0.0	30935.2
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	36266.0	0.0	36266.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.7	1.2
10°-20°	1170.1	3.2
20°-30°	2037.5	5.6
30°-40°	3672.3	10.1
40°-50°	7283.3	20.1
50°-60°	9921.1	27.4
60°-70°	7918.9	21.8
70°-80°	3583.5	9.9
80°-90°	257.6	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	36266.0	100.0
0°-180°	36266.0	100.0

**Coefficient of Utilization**



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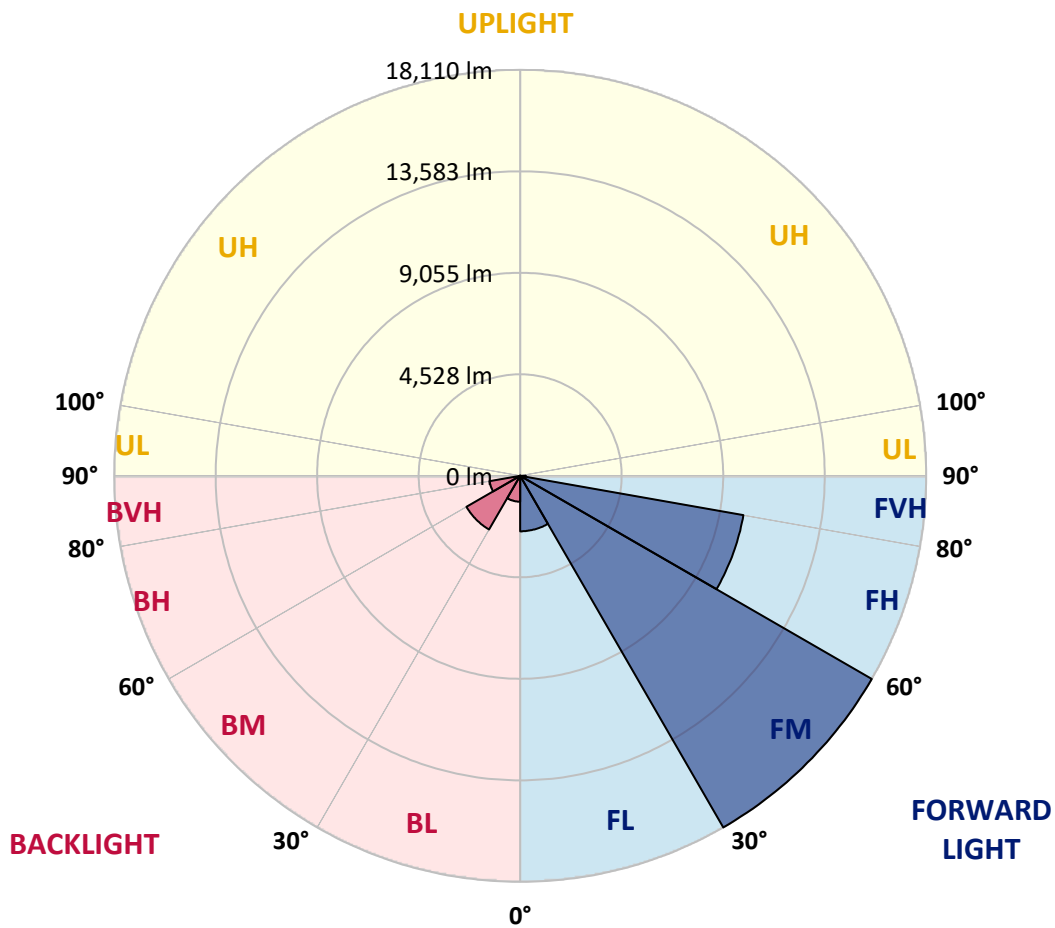
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2475.6	6.8			
FM (30°-60°)	18110.3	49.9			
FH (60°-80°)	10110.8	27.9			G4/12000
FVH (80°-90°)	238.5	0.7			G3/500
BL (0°-30°)	1153.7	3.2	B3/2500		
BM (30°-60°)	2766.4	7.6	B3/5000		
BH (60°-80°)	1391.7	3.8	B3/2500		G3/2500
BVH (80°-90°)	19.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9
2.5°	4580.7	4568.2	4585.7	4578.2	4573.2	4563.2	4558.2	4553.3	4543.3	4535.8
5°	4593.2	4585.7	4603.2	4618.1	4633.1	4648.1	4655.5	4665.5	4655.5	4635.6
7.5°	4488.4	4483.4	4520.8	4565.7	4633.1	4690.5	4752.8	4787.8	4790.3	4782.8
10°	4480.9	4468.4	4505.8	4560.7	4648.1	4750.4	4860.1	4935.0	4945.0	4977.4
12.5°	4598.2	4585.7	4638.1	4698.0	4787.8	4895.1	5029.8	5134.6	5149.5	5194.5
15°	4795.3	4777.8	4837.7	4915.0	5029.8	5152.0	5294.2	5389.1	5401.5	5456.4
17.5°	5024.8	5007.3	5077.2	5159.5	5284.3	5451.4	5616.1	5720.9	5735.9	5770.8
20°	5319.2	5296.7	5351.6	5426.5	5558.7	5758.3	5955.4	6105.1	6102.6	6102.6
22.5°	5661.0	5626.1	5673.5	5733.4	5858.1	6100.1	6362.1	6539.2	6539.2	6469.4
25°	6027.8	5992.8	6045.2	6100.1	6209.9	6484.3	6791.2	7010.8	7020.7	6901.0
27.5°	6486.8	6441.9	6481.8	6546.7	6611.6	6891.0	7255.3	7509.7	7514.7	7330.1
30°	7370.0	7242.8	7118.0	7048.2	7078.1	7355.1	7744.3	8026.2	8051.1	7796.7
32.5°	8986.7	8961.8	8522.7	7948.9	7649.5	7854.0	8290.7	8630.0	8644.9	8318.1
35°	11499.1	11469.2	10763.1	9670.4	8694.8	8522.7	8954.3	9356.0	9346.0	8976.8
37.5°	14498.1	14470.6	13540.0	12078.0	10498.7	9533.1	9810.1	10231.7	10294.1	9810.1
40°	17060.4	16958.1	16369.3	14959.6	12893.8	11209.7	11027.6	11307.0	11371.9	10798.1
42.5°	19001.4	18914.1	18614.7	17734.0	15792.9	13689.7	12462.2	12569.5	12641.8	11953.2
45°	20006.9	19986.9	20106.7	20024.3	18746.9	16733.5	14513.0	14066.4	14093.9	13233.1
47.5°	20149.1	20139.1	20685.5	21458.9	21286.8	20166.5	17145.2	15932.6	15835.3	14677.7
50°	19310.8	19290.8	20338.7	21788.2	22983.3	23050.7	20134.1	18035.9	17821.3	16172.2
52.5°	16633.7	16628.7	18350.2	20762.8	23579.6	25575.6	23088.1	20346.2	19986.9	17753.9
55°	12799.0	12891.3	14864.8	17716.5	22491.8	26790.6	25740.2	22911.0	22359.6	19345.7
57.5°	9066.6	9201.3	11152.4	13692.2	19118.7	26072.0	27534.1	25480.7	24887.0	20932.5
60°	4870.1	4989.9	6943.4	9974.7	14223.6	23392.5	28479.7	27711.2	27149.9	22439.4
62.5°	2901.6	2941.5	3749.9	6439.4	9620.5	17871.2	28078.0	29410.3	28948.7	23704.4
65°	2083.3	2090.8	2497.4	3932.0	5840.6	10857.9	25261.2	30223.6	30081.4	24657.4
67.5°	1753.9	1748.9	1918.6	2612.2	3979.4	5439.0	19360.7	29073.5	29677.2	25261.2
70°	1504.4	1511.9	1711.5	1913.6	2991.4	3078.7	9625.5	25313.6	26601.0	25420.9
72.5°	1120.2	1145.2	1329.8	1744.0	2257.9	2118.2	3323.3	18769.4	21097.2	23951.4
75°	790.9	803.4	935.6	1467.0	1684.1	1541.9	1696.6	9702.8	12686.7	18362.7
77.5°	608.8	631.2	708.6	1025.4	1659.1	1082.8	1037.9	3358.2	5159.5	11092.5
80°	329.3	369.3	511.5	741.0	1165.1	765.9	514.0	1337.3	1748.9	5187.0
82.5°	169.7	189.6	356.8	533.9	663.7	668.6	254.5	556.4	721.0	1601.7
85°	67.4	82.3	239.5	294.4	341.8	329.3	114.8	224.5	259.5	444.1
87.5°	15.0	24.9	87.3	67.4	64.9	69.9	27.4	52.4	49.9	52.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4475.9	0°	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9
4505.8	2.5°	4503.4	4493.4	4465.9	4436.0	4401.1	4381.1	4368.6	4366.1	4348.7	4336.2
4605.6	5°	4578.2	4568.2	4515.8	4453.5	4386.1	4333.7	4283.8	4238.9	4174.0	4161.5
4750.4	7.5°	4727.9	4700.5	4615.6	4530.8	4403.6	4251.4	4066.7	3854.7	3665.1	3607.7
4942.5	10°	4912.5	4875.1	4767.8	4618.1	4336.2	3922.0	3475.4	3061.3	2732.0	2639.6
5169.5	12.5°	5122.1	5089.7	4947.5	4670.5	4054.3	3303.3	2619.7	2105.7	1786.4	1706.5
5411.5	15°	5371.6	5324.2	5127.1	4590.7	3550.3	2509.9	1798.8	1494.5	1379.7	1364.7
5688.4	17.5°	5636.1	5558.7	5286.8	4303.8	2871.7	1783.9	1389.7	1302.4	1252.5	1237.5
5967.9	20°	5878.1	5778.3	5381.6	3869.6	2145.6	1389.7	1245.0	1187.6	1142.7	1125.2
6247.3	22.5°	6120.1	5977.9	5381.6	3278.3	1609.2	1232.5	1142.7	1090.3	1037.9	1015.4
6546.7	25°	6372.1	6182.4	5286.8	2619.7	1294.9	1130.2	1045.4	988.0	943.1	915.6
6831.1	27.5°	6616.6	6354.6	5069.7	1995.9	1152.7	1040.4	955.6	900.7	858.3	838.3
7140.5	30°	6848.6	6524.2	4765.3	1514.4	1060.3	953.1	873.2	825.8	783.4	763.4
7542.2	32.5°	7163.0	6738.8	4441.0	1242.5	980.5	870.7	798.4	753.5	716.0	701.1
8063.6	35°	7599.6	7055.7	4161.5	1220.0	913.1	803.4	731.0	688.6	651.2	638.7
8737.3	37.5°	8218.3	7567.1	4014.3	1369.7	858.3	743.5	676.1	631.2	596.3	586.3
9593.0	40°	8981.8	8260.7	4094.2	1519.4	820.8	691.1	626.2	581.3	551.4	538.9
10576.0	42.5°	9887.4	9116.5	4535.8	1634.2	795.9	646.2	578.8	528.9	509.0	504.0
11691.3	45°	10927.8	10057.1	5211.9	1756.4	756.0	603.8	531.4	494.0	479.0	476.5
12903.8	47.5°	12110.4	11090.0	5995.3	1908.6	716.0	563.9	494.0	469.0	456.6	451.6
14168.7	50°	13283.0	12130.4	6801.2	1993.5	683.6	526.4	464.1	444.1	434.1	431.6
15506.0	52.5°	14510.5	13200.7	7452.4	1913.6	656.2	496.5	439.1	424.1	414.2	411.7
16738.5	55°	15680.7	14066.4	7564.6	1624.2	601.3	466.6	411.7	404.2	391.7	391.7
17988.5	57.5°	16688.6	14500.6	6771.2	1192.6	546.4	421.6	384.2	376.7	366.8	364.3
19116.2	60°	17614.2	14375.8	5226.9	803.4	486.5	376.7	349.3	344.3	334.3	321.8
20096.7	62.5°	18135.7	13826.9	3575.2	523.9	426.6	329.3	309.4	306.9	284.4	259.5
20822.7	65°	18332.8	12699.2	2230.5	381.7	356.8	281.9	267.0	262.0	229.5	202.1
21234.4	67.5°	18160.6	10843.0	1125.2	301.9	281.9	234.5	219.6	219.6	197.1	172.2
21209.4	70°	17472.0	8128.5	474.0	242.0	217.1	179.6	179.6	189.6	167.2	139.7
20109.2	72.5°	15977.6	5468.9	252.0	184.6	162.2	127.2	147.2	154.7	132.2	104.8
16459.1	75°	12701.7	3335.7	174.6	137.2	102.3	89.8	112.3	117.3	89.8	69.9
11284.6	77.5°	8687.4	1916.1	117.3	87.3	64.9	52.4	77.3	72.4	47.4	32.4
4351.2	80°	3814.8	798.4	67.4	39.9	24.9	20.0	27.4	20.0	15.0	10.0
596.3	82.5°	446.6	187.1	24.9	15.0	10.0	5.0	2.5	0.0	0.0	0.0
182.1	85°	92.3	22.5	12.5	5.0	2.5	0.0	0.0	0.0	0.0	0.0
32.4	87.5°	17.5	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
4475.9
4348.7
4156.6
3580.2
2604.7
1684.1
1349.8
1230.0
1115.2
1003.0
905.7
838.3
765.9
701.1
638.7
583.8
536.4
504.0
474.0
451.6
431.6
411.7
389.2
361.8
319.4
254.5
199.6
169.7
137.2
104.8
67.4
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